

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	jp-09246505-\$:did	EPO; JPO; DERWENT	OR	OFF	2004/01/30 09:09
S2	1	("6639280").PN.	US-PGPUB; USPAT	OR	OFF	2004/01/30 09:39
S4	134	kato in AND (SINGLE with crystal with silicon)	US-PGPUB; USPAT	OR	OFF	2004/01/30 09:46
S5	645	(438/479,"517").CCLS.	US-PGPUB; USPAT	OR	OFF	2004/01/30 10:44
S6	10	((("4444620") or ("4822752") or ("5371381") or ("4439268") or ("4777517") or ("5002899") or ("5599749") or ("3841917") or ("4315273") or ("4336099")).PN.	US-PGPUB; USPAT	OR	OFF	2004/01/30 10:41
S7	40	((("4358745") or ("4371421") or ("4411729") or ("4426701") or ("4442178") or ("4461008") or ("4482422") or ("4523318") or ("4523962") or ("4557794") or ("4584055") or ("4588472") or ("4591889") or ("4592799") or ("4595454") or ("4758535") or ("4832432") or ("4872046") or ("4987472") or ("5177569") or ("5221630") or ("5326745") or ("5356510") or ("5381032") or ("5401587") or ("5432372") or ("5456117") or ("5526173") or ("5552375") or ("5567979") or ("5569954") or ("5571612") or ("5662965") or ("5729046") or ("5736753") or ("5745616") or ("5759265") or ("5818076") or ("5930429") or ("5943554")).PN.	US-PGPUB; USPAT	OR	OFF	2004/01/30 10:41
S8	498	(438/462).CCLS.	US-PGPUB; USPAT	OR	OFF	2004/01/30 10:45
S9	21	S8 and soi	US-PGPUB; USPAT	OR	OFF	2004/01/30 10:45
S10	10	("3054709"   "3332143"   "3349475"   "3433684"   "3542266").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/30 12:00
S11	19	("3816906").URPN.	USPAT	OR	OFF	2004/01/30 12:03

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10/634,839 on January 30, 2004

Combined Classifications

8 257/628  
7 257/627  
6 257/E29.004  
5 117/101  
5 117/45  
5 117/923  
4 117/902  
4 117/95  
4 257/E21.133  
4 372/45  
4 372/48  
4 438/481  
3 117/933  
3 117/954  
3 257/E21.131  
3 257/E21.134  
3 257/E21.197  
3 257/E21.345  
3 257/E21.346  
3 257/E21.347  
3 257/E39.015  
3 257/E39.016  
3 428/702  
3 505/220  
2 117/904  
2 117/935  
2 117/936  
2 148/33  
2 148/DIG 26  
2 148/DIG 91  
2 257/192  
2 257/412  
2 257/419  
2 257/622  
2 257/663  
2 257/77  
2 257/E21.221  
2 257/E21.223  
2 257/E21.324  
2 257/E21.433  
2 257/E21.614  
2 257/E29.155  
2 257/E29.313  
2 257/E29.324  
2 427/124  
2 427/126.3  
2 427/162  
2 427/163.1  
2 428/688  
2 428/689

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2 438/43  
2 438/745  
2 438/924

**Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10/634,839 on January 30, 2004**

**8 257/628 (0 OR, 8 XR)**

Class 257 : ACTIVE SOLID-STATE DEVICES  
257/618 PHYSICAL CONFIGURATION OF SEMICONDUCTOR (E.G.,  
MESA, BEVEL, GROOVE, ETC.)  
257/627 ..With specified crystal plane or axis  
257/628 ..Major crystal plane or axis other than (100),  
(110), or (111) (e.g., (731) axis, crystal plane several  
degrees from (100) toward (011), etc.)

**7 257/627 (2 OR, 5 XR)**

Class 257 : ACTIVE SOLID-STATE DEVICES  
257/618 PHYSICAL CONFIGURATION OF SEMICONDUCTOR (E.G.,  
MESA, BEVEL, GROOVE, ETC.)  
257/627 ..With specified crystal plane or axis

**5 117/101 (0 OR, 5 XR)**

Class 117 : SINGLE-CRYSTAL, ORIENTED-CRYSTAL, AND EPITAXY  
GROWTH PROCESSES; NON-COATING APPARATUS THEREFOR  
117/84 FORMING FROM VAPOR OR GASEOUS STATE (E.G., VPE,  
SUBLIMATION)  
117/88 ..With decomposition of a precursor (except  
impurity or dopant precursor) composed of diverse atoms  
(e.g., CVD)  
117/101 ..Characterized by specified crystallography or  
arrangement of substrate (e.g., wafer cassette, Miller  
index)

**5 117/45 (3 OR, 2 XR)**

Class 117 : SINGLE-CRYSTAL, ORIENTED-CRYSTAL, AND EPITAXY  
GROWTH PROCESSES; NON-COATING APPARATUS THEREFOR  
117/11 PROCESSES OF GROWTH FROM LIQUID OR  
SUPERCritical STATE  
117/37 ..Having moving solid-liquid-solid region  
117/43 ..Distinctly layered product (e.g., twin, SOI,  
epitaxial crystallization)  
117/45 ...Non-planar crystal grown (e.g., ELO)

**5 117/923 (0 OR, 5 XR)**

Class 117 : SINGLE-CRYSTAL, ORIENTED-CRYSTAL, AND EPITAXY  
GROWTH PROCESSES; NON-COATING APPARATUS THEREFOR  
117/923 SINGLE-CRYSTAL OF COMPLEX GEOMETRY (E.G.,  
PATTERNEDELO) {C30B 29/66}

PLUS Search Results for S/N 10/634,839, Searched January 30, 2004 (Top 50)

4444620	4358745	4584055	5221630	5569954
4822752	4371421	4588472	5326745	5571612
5371381	4411729	4591889	5356510	5662965
4439268	4426701	4592799	5381032	5729046
4777517	4442178	4595454	5401587	5736753
5002899	4461008	4758535	5432372	5745616
5599749	4482422	4832432	5456117	5759265
3841917	4523318	4872046	5526173	5818076
4315273	4523962	4987472	5552375	5930429
4336099	4557794	5177569	5567979	5943554